

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| L1    | 13   | matthews-kristine-e.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/03/27 10:45 |
| L2    | 1    | 1 and chrominance near3 smoothing and human near5 (preception or visual or sensitivity)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/03/27 10:53 |
| L3    | 4    | 1 and human near5 (preception or visual or sensitivity)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/03/27 13:28 |
| L4    | 3    | 1 and chrominance near3 smoothing   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/03/27 13:43 |
| L5    | 3    | ( shift\$3 or chang\$4 or conver\$5 or transfer\$3 or alter\$3) near5 chrominance near3( values or pixels) same luminance near3(low or high )   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/03/27 11:31 |
| L6    | 8    | ((("5130786") or ("5570131") or ("5629780") or ("6016200"))).PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/03/27 11:32 |
| L7    | 1    | "5231494".PN.   | USPAT;<br>USOCR   | OR               | OFF     | 2007/03/27 12:49 |
| L8    | 167  | human near5 (preception or visual or sensitivity)same ( luminance-chrominance-chrominance or chroma or "L,C,C" or "Y, U, V" or "Y, Cb, Cr" or "L*, a*,b*" )                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/03/27 14:09 |
| L9    | 167  | human near5 (preception or visual or vision adj1 preception or sensitivity)same ( luminance-chrominance-chrominance or chroma or "L,C,C" or "Y, U, V" or "Y, Cb, Cr" or "L*, a*,b*" ) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/03/27 13:40 |
| L10   | 64   | 9 and ( reduc\$4 or lower\$3 or improv\$4) with ( bit-rate or bit adj1 rate or bandwidth or resolution near3 chrominance or compression)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/03/27 13:54 |

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|-----|------|--|---|----|-----|------------------|
| L11 | 5    | 10 and chrominance near3 (smoothing or eveni\$4)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/27 13:45 |
| L12 | 8    | 9 and ((luminance or luma or brightness) near3( extremes or threshold\$3 or adjusment\$4))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/27 14:10 |
| L13 | 1204 | human near5 (preception or visual or sensitivity)and ( luminance-chrominance-chrominance or chroma or "L,C,C" or "Y, U, V" or "Y, Cb, Cr" or "L*, a*,b*" )   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/27 14:09 |
| L14 | 161  | 13 and ((luminance or luma or brightness) near3( extremes or threshold\$3 or adjus\$9))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/27 15:44 |
| L15 | 34   | 14 and (luminance or luma) near3( valu\$2 or pixel\$1) with( black or white or near-black)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/27 14:24 |
| L16 | 21   | 14 and (luminance or luma) near3( valu\$2 or pixel\$1) near7( black or white or near-black)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/27 15:26 |
| L17 | 4    | 14 and (select\$4 or choos\$5 or determin\$4 or obtain\$4) near3(luminance adj1 pixel\$1 or luminance adj1 valu\$2 or luma adj1 pixel\$1 or luma adj1 valu\$2) with ( minimum or maximum or less\$2 or low\$2 or greater or high\$2)near3 ( luminance or luma or brightness) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/27 15:45 |
| L18 | 174  | 13 and ((luminance or luma ) near3( rang\$2 or threshold\$3 or adjus\$9))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/27 15:45 |
| L19 | 7    | 18 and (select\$4 or choos\$5 or determin\$4 or obtain\$4) near3(luminance adj1 pixel\$1 or luminance adj1 valu\$2 or luma adj1 pixel\$1 or luma adj1 valu\$2) with ( minimum or maximum or less\$2 or low\$2 or greater or high\$2)near3 ( luminance or luma or brightness) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/27 15:46 |

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| L1    | 13   | matthews-kristine-e.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/03/27 10:45 |
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| L3    | 4    | 1 and human near5 (preception or visual or sensitivity)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/03/27 13:28 |
| L4    | 3    | 1 and chrominance near3 smoothing   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/03/27 13:43 |
| L5    | 3    | ( shift\$3 or chang\$4 or conver\$5 or transfer\$3 or alter\$3) near5 chrominance near3( values or pixels) same luminance near3(low or high )   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/03/27 17:59 |
| L6    | 8    | ((("5130786") or ("5570131") or ("5629780") or ("6016200"))).PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/03/27 11:32 |
| L7    | 1    | "5231494".PN.   | USPAT;<br>USOCR   | OR               | OFF     | 2007/03/27 12:49 |
| L8    | 167  | human near5 (preception or visual or sensitivity)same ( luminance-chrominance-chrominance or chroma or "L,C,C" or "Y, U, V" or "Y, Cb, Cr" or "L*, a*,b*" )                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/03/27 14:09 |
| L9    | 167  | human near5 (preception or visual or vision adj1 preception or sensitivity)same ( luminance-chrominance-chrominance or chroma or "L,C,C" or "Y, U, V" or "Y, Cb, Cr" or "L*, a*,b*" ) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/03/27 13:40 |
| L10   | 64   | 9 and ( reduc\$4 or lower\$3 or improv\$4) with ( bit-rate or bit adj1 rate or bandwidth or resolution near3 chrominance or compression)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/03/27 13:54 |

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|-----|------|--|---|----|-----|------------------|
| L11 | 5    | 10 and chrominance near3 (smoothing or eveni\$4)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/27 13:45 |
| L12 | 8    | 9 and ((luminance or luma or brightness) near3( extremes or threshold\$3 or adjusment\$4))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/27 14:10 |
| L13 | 1204 | human near5 (preception or visual or sensitivity)and ( luminance-chrominance-chrominance or chroma or "L,C,C" or "Y, U, V" or "Y, Cb, Cr" or "L*, a*,b*" )   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/27 14:09 |
| L14 | 161  | 13 and ((luminance or luma or brightness) near3( extremes or threshold\$3 or adjus\$9))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/27 15:44 |
| L15 | 34   | 14 and (luminance or luma) near3( valu\$2 or pixel\$1) with( black or white or near-black)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/27 14:24 |
| L16 | 21   | 14 and (luminance or luma) near3( valu\$2 or pixel\$1) near7( black or white or near-black)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/27 15:26 |
| L17 | 4    | 14 and (select\$4 or choos\$5 or determin\$4 or obtain\$4) near3(luminance adj1 pixel\$1 or luminance adj1 valu\$2 or luma adj1 pixel\$1 or luma adj1 valu\$2) with ( minimum or maximum or less\$2 or low\$2 or greater or high\$2)near3 ( luminance or luma or brightness) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/27 15:45 |
| L18 | 174  | 13 and ((luminance or luma ) near3( rang\$2 or threshold\$3 or adjus\$9))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/27 16:11 |
| L19 | 7    | 18 and (select\$4 or choos\$5 or determin\$4 or obtain\$4) near3(luminance adj1 pixel\$1 or luminance adj1 valu\$2 or luma adj1 pixel\$1 or luma adj1 valu\$2) with ( minimum or maximum or less\$2 or low\$2 or greater or high\$2)near3 ( luminance or luma or brightness) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/27 16:13 |

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|     |       |  |   |     |     |                  |
|-----|-------|--|---|-----|-----|------------------|
| L20 | 253   | 13 and ((luminance or luma or brightness ) near3( rang\$2 or threshold\$3 or adjus\$9 or histogram\$4))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2007/03/27 17:57 |
| L21 | 33    | 20 and (select\$4 or choos\$5 or determin\$4 or obtain\$4)near3(pixel\$1 or valu\$2) with ( minimum or maximum or less\$2 or low\$2 or greater or high\$2 or dark\$3 or bright\$4)near3 ( luminance or luma or brightness)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2007/03/27 16:16 |
| L22 | 28    | 20 and (select\$4 or shif\$4 or chang\$4 or alter\$4 or replac\$4 or convert\$4)near3(pixel\$1 or valu\$2) with ( minimum or maximum or less\$2 or low\$2 or greater or high\$2 or dark\$3 or bright\$4)near3 ( luminance or luma or brightness)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2007/03/27 17:42 |
| L23 | 1     | ( chrominance and smoothing and color and image and luminance-chrominance-chrominance and channel-color-space and selecting and image and region and smoothing and selecting and pixels and luminance and value and one and side and value and luminance and threshold and value and changing and chrominance-channel and values and lower and chrominance-channel and entropy).clm. | US-PGPUB  | AND | OFF | 2007/03/27 17:46 |
| L24 | 10396 | 382/167,162,165,166,168,169,172, 274;358/518,519,520,521,522, 523;348/453;345/589,590,591,593, 600,601.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2007/03/27 17:56 |
| L25 | 1727  | 24 and ((luminance or luma or brightness ) near3( rang\$2 or threshold\$3 or adjus\$9 or histogram\$4))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2007/03/27 17:57 |
| L26 | 1     | 25 and( shift\$3 or chang\$4 or conver\$5 or transfer\$3 or alter\$3) near5 chrominance near3( values or pixels) same luminance near3(low or high )  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2007/03/27 18:00 |

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|     |   |   |   |    |     |                  |
|-----|---|---|---|----|-----|------------------|
| L27 | 0 | 25 and( shift\$3 or chang\$4 or conver\$5 or transfer\$3 or alter\$3) near5 (chrominance or chroma or hue or color) same (lower adj1 end or higher adj1 end) near3( luma or luminance)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/27 18:04 |
| L28 | 0 | 24 and( shift\$3 or chang\$4 or conver\$5 or transfer\$3 or alter\$3) near5 (chrominance or chroma or hue or color) same (lower adj1 end or higher adj1 end) near3( luma or luminance)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/27 18:05 |
| L29 | 0 | ( shift\$3 or chang\$4 or conver\$5 or transfer\$3 or alter\$3) near5 (chrominance or chroma or hue or color) same (lower adj1 end or higher adj1 end) near3( luma or luminance)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/27 18:06 |
| L30 | 4 | ( shift\$3 or chang\$4 or conver\$5 or transfer\$3 or alter\$3) near5 (chrominance or chroma or hue or color) same (lower adj1 end or higher adj1 end or one adj1 side or one adj1 end) near3( luma or luminance)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/27 18:19 |
| L31 | 6 | ( shift\$3 or chang\$4 or conver\$5 or transfer\$3 or alter\$3 or smooth\$3) near5 (chrominance or chroma or hue or color) same (lower adj1 end or higher adj1 end or one adj1 side or one adj1 end or near-black or brightest) near3( luma or luminance) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/27 18:21 |

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## » Key

IEEE JNL IEEE Journal or Magazine

IET JNL IET Journal or Magazine

IEEE CNF IEEE Conference Proceeding

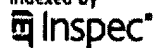
IET CNF IET Conference Proceeding

IEEE STD IEEE Standard

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» Key

IEEE JNL IEEE Journal or Magazine

IET JNL IET Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IET CNF IET Conference Proceeding

IEEE STD IEEE Standard

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IET JNL IET Journal or Magazine

IEEE CNF IEEE Conference Proceeding

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